

Converting Colors

XYZ(36.1456, 39.5252, 76.8172)

Have a look what the booklet for
XYZ(36.1456, 39.5252, 76.8172)
contains.

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Color

**XYZ(36.1979, 39.5599,
76.9622)**

Conversions

Conversions Part 1

Format	Color
Hex	76AEE1
RGB	118, 174, 225
RGB Percent	46%, 68%, 88%
CMY	0.5372, 0.3176, 0.1176
CMYK	0.48, 0.23, 0.00, 0.12
HSL	209°, 64%, 67%
HSV	209°, 48%, 88%
XYZ	36.1979, 39.5599, 76.9622
YIQ	163.0700, -49.7470, 3.9890

Conversions

Conversions Part 2

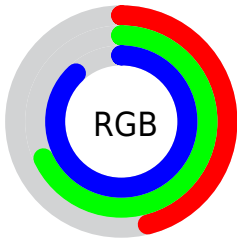
Format	Color
R _Y B	118, 155, 225
Decimal	7778017
CIE Lab	69.15, -4.62, -31.34
CIE LCh	69, 31.677, 261.610
Yxy	39.5599, 0.2370, 0.2590
Android (android.graphics.Color)	4285968097 (0xFF76AEE1)
YUV	163.0700, 30.5315, -39.5264
Hunter-Lab	62.8967, -7.3399, -28.5213

Details

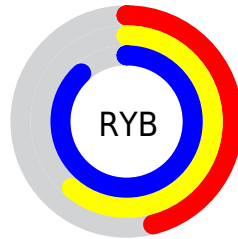
The XYZ color **36.1979, 39.5599, 76.9622** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **48.5106, 45.6930, 23.4040**, and the grayscale version is **34.7242, 36.5326, 39.7840**.

A 20% lighter version of the original color is **63.7485, 72.3726, 105.2171**, and **16.0787, 17.7820, 40.6150** is the 20% darker color. If you saturate the color by 10%, you get **31.5094, 34.1897, 76.1735**, and if you desaturate by 10%, it is **41.7832, 45.6396, 77.8421**.

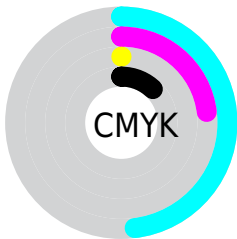
Distribution



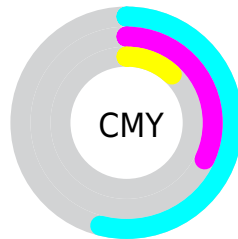
- Red (46%)
- Green (68%)
- Blue (88%)



- Red (46%)
- Yellow (61%)
- Blue (88%)



- Cyan (48%)
- Magenta (23%)
- Yellow (0%)
- Black (12%)



- Cyan (54%)
- Magenta (32%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1979, 39.5599, 76.9622 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 36.1979, 39.5599, 76.9622 by changing the saturation by 10% instead.

■ 36.1979, 39.5599,
76.9622

■ 36.1979, 39.5599,
76.9622

321.2409,
344.2651, 504.0694

■ 24.7579, 27.1956,
56.7105

■ 68.6593, 74.4929,
130.8586

■ 16.0245, 17.7202,
40.3650

■ 90.4114, 97.8303,
165.3404

■ 9.6325, 10.7493,
27.5073

■ 116.3315,
125.5942, 205.4027

■ 5.2164, 5.8985,
17.7188

146.7851,
158.1691, 251.4639

■ 2.4108, 2.7835,
10.5809

182.1375,
195.9392, 303.9426

■ 0.8505, 1.0198,
5.6752

222.7540,

■ 0.0000, 0.0000,

239.2889, 363.2574

2.5830

269.0000,
288.6028, 429.8268

■ 0.0000, 0.0000,
0.8837

■ 0.0000, 0.0000,
0.0000

■ 36.1979, 39.5599,
76.9622

■ 36.1979, 39.5599,
76.9622

■ 31.5094, 34.1897,
76.1735

■ 41.7832, 45.6396,
77.8421

■ 27.6571, 29.4897,
75.4693

■ 48.3125, 52.4563,
78.8137

■ 24.5788, 25.4226,
74.8466

■ 55.8342, 60.0409,
79.8812

■ 22.2002, 21.9441,
74.3005

■ 64.3919, 68.4213,
81.0478

■ 20.4220, 18.9965,
73.8253

■ 74.0267, 77.6236,
82.3162

■ 20.0406, 18.3360,
73.7179

■ 84.7771, 87.6726,
83.6892

■ 88.7292, 94.4931,
84.7974

■ 90.5908, 98.2163,
85.4179

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.8732, 39.5599, 68.8306



36.1979, 39.5599, 76.9622



41.3010, 39.5599, 74.5418

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



36.1979, 39.5599, 76.9622



47.3969, 39.5599, 33.6002



30.4747, 39.5599, 27.9763

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



36.1979, 39.5599, 76.9622



48.5106, 45.6930, 23.4040

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



34.1279, 39.5599, 22.0051



36.1979, 39.5599, 76.9622



43.9758, 39.5599, 24.7085

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



36.1979, 39.5599, 76.9622



48.0770, 39.5599, 47.2714



39.0389, 39.5599, 20.9604



28.7685, 39.5599, 39.1328

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.1979, 39.5599, 76.9622



44.4427, 39.5599, 67.4632



39.0389, 39.5599, 20.9604



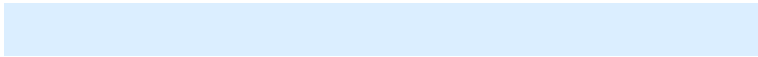
31.4993, 39.5599, 25.4103

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



36.1992, 39.5614, 76.9631



77.9236, 83.4664, 106.6114



41.4594, 60.5277, 46.5127



16.1675, 17.3608, 22.7488



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.1992, 39.5614, 76.9631



41.9371, 45.5128, 101.1823



27.9697, 23.1023, 74.2200



13.5427, 14.4244, 17.4581



11.6661, 10.8017, 42.5184



0.8981, 0.9278, 2.9770

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



45.1710, 32.0219, 43.8459



55.6115, 35.8698, 50.2914



60.2933, 69.2585, 27.3315



14.0054, 13.8198, 15.7985



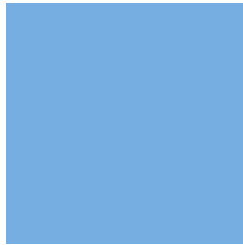
19.8287, 9.9985, 11.0297



1.4196, 0.7111, 1.0025

Previews

White Background



This preview shows how the XYZ color 36.1979, 39.5599, 76.9622 looks on a white background.

Color Contrast Check

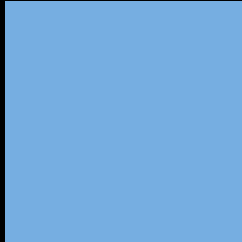
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 36.1979, 39.5599, 76.9622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

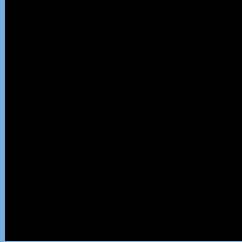
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.1979, 39.5599, 76.9622

Background



This preview shows how black text looks on a background with the XYZ color 36.1979, 39.5599, 76.9622.

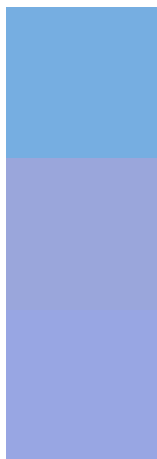


This preview shows how white text looks on a background with the XYZ color 36.1979, 39.5599,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

36.1979, 39.5599, 76.9622

Protanopia

39.7488, 39.2569, 72.5002

Deuteranopia

40.4502, 39.4939, 78.1642



Tritanopia

32.2432, 39.7257, 57.0074

Trichromacy



Original Color

36.1979, 39.5599, 76.9622

Protanomaly

38.2236, 39.2591, 73.9698

Deuteranomaly

38.7307, 39.4424, 77.5233

Tritanomaly

33.6219, 39.6933, 63.6471

Monochromacy



Original Color

36.1979, 39.5599, 76.9622

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.7143, 37.3856, 51.8409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1979, 39.5599, 76.9622 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(118, 174, 225)` looks like.

```
.text, #text, p{  
    color:rgb(118, 174, 225)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(118, 174, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 174, 225) }
```

Border

The CSS property to change the border of an element to XYZ 36.1979, 39.5599, 76.9622 is called "border". The border property can be set on classes, ids or directly on the HTML element.

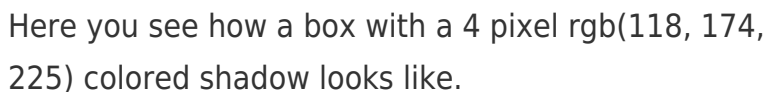
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 174, 225) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(118, 174, 225) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(118, 174, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 174, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 174, 225); box-shadow:4px 4px 4px 4px rgb(118, 174, 225) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1979, 39.5599, 76.9622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 174, 225) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(118,  
174, 225) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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